

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/022186 A1

(51) International Patent Classification⁷:
H04B 1/707

G01S 1/00,

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/GB2004/003745

(22) International Filing Date:
1 September 2004 (01.09.2004)

(25) Filing Language:
English

(26) Publication Language:
English

(30) Priority Data:
0320352.8 1 September 2003 (01.09.2003) GB

(71) Applicant (for all designated States except US): SECRETARY OF STATE FOR DEFENCE [GB/GB]; DSTL, Porton Down, Salisbury, Wiltshire SP4 0JQ (GB).

(72) Inventors; and
(75) Inventors/Applicants (for US only): PRATT, Anthony, Richard [GB/GB]; 1 Brixworth Hall Park, Brixworth, Northants NN6 9DE (GB). OWEN, John, Ivor, Rewbridge [GB/GB]; Dstl Farnborough, Ively Road, Farnborough GU14 0LX (GB).

(74) Agent: HUTCHINSON, Glenn; Harrison Goddard Foote, Fountain Precinct, Balm Green, Sheffield S1 2JA (GB).

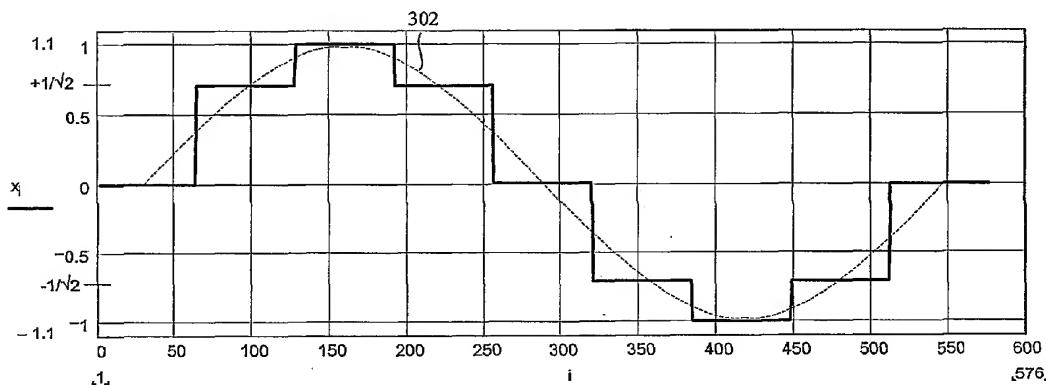
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MODULATION SIGNALS FOR A SATELLITE NAVIGATION SYSTEM



WO 2005/022186 A1

(57) Abstract: Embodiments of the present invention relate to a modulation system in which an m-level, $m > 2$, digital subcarrier is used to modulate a signal.